

MECHANISM AND APPARATUS FOR ENCAPSULATION OF
ENTITLEMENT AUTHORIZATION IN CONDITIONAL ACCESS SYSTEM

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ABSTRACT OF THE INVENTION

A method for determining whether the terminal is authorized to receive the selected service is practiced in a terminal of a conditional access system in which a user selects a service, the selected service being associated with a frequency, the terminal having a tuner and a secure element with at least one authorized entitlement unit number stored therein. The method includes receiving at least one encrypted entitlement control message corresponding to the service, and decrypting each of the at least one encrypted entitlement control message in the secure element, each decrypted entitlement control message revealing at least one first entitlement number associated with the selected service. The method further includes determining that the terminal is authorized to receive the selected service when any first entitlement number of any decrypted entitlement control message represents any number of the at least one authorized entitlement unit number. Alternatively, the method includes receiving at least one entitlement control message corresponding to the service, and authenticating each of the at least one entitlement control message in the secure element, each authenticated entitlement control message revealing at least one first entitlement number associated with the selected service. The method further including determining that the terminal is authorized to receive the selected service when any first entitlement number of any authenticated entitlement control message represents any number of the at least one authorized entitlement unit number.